

308 Constitution Drive Menlo Park, CA 94025-1164 Phone: 800-227-4856 www.circuitprotection.com

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: miniSMDC125F/16

DOCUMENT: SCD25618 REV LETTER: G REV DATE: MAY 18, 2011 PAGE NO.: 1 OF 1

Specification Status: Released Maximum Electrical Rating Voltage: 16V_{DC} Short Circuit Current: 100A D Ε С в Notes: 1. All terminations are tin plated. 2. Drawing not to scale Marking: arking 125F А 16V Σ PART IDENTIFICATION MANUFACTURER'S MARK **TABLE I. DIMENSIONS:** D Е В С MIN MAX MIN MAX MIN MAX MIN MAX MIN 4.83 4.37 0.28 0.48 3.07 3.41 0.25 0.95 0.20 mm:

	1.01	1.00	0.20	0.10	0.01	0.11	0.20	0.00	0.20
in:	(0.172)	(0.190)	(0.011)	(0.019)	(0.121)	(0.134)	(0.010)	(0.040)	(0.008)

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS **						TIME TO	RESISTANCE		TRIPPED-STATE	
						TRIP **	VALUES		POWER	
									DISSIPATION**	
AMPERES AMPERES			AMPERES		SECONDS	OHMS		WATTS AT		
AT 0°C		AT 20°C		AT 60°C		AT 20°C, 8A	AT 20°C		20°C, 16V	
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX	
1.47	2.94	1.25	2.50	0.90	1.80	0.4	0.050	0.140	0.8	

* Maximum resistance is measured 1 hour after reflow.

** Values Specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

Agency Recognition:	UL, CSA, TÜV
Reference Documents:	PS300
Precedence:	This specification takes precedence over documents referenced herein.
Effectivity:	Reference documents shall be the issue in effect on the date of invitation for bid.
CAUTION:	Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

Materials Information

Downloaded from Elcodis.com electronic components distributor

